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U.S. DEPARTMENT OF COMMERCE
United States Patent and Trademark Office



RE

103246635

To the Director of the U.S. Patent and Trademark Office: Please record the attached documents or the new address(es) below.

1. Name of conveying party(ies)/Execution Date(s):

Vivek Venkatraman

Execution Date(s) April 7, 2006

Additional name(s) of conveying party(ies) attached? Yes No

2. Name and address of receiving party(ies)

Name: National Semiconductor Corporation

Internal Address: _____

Street Address: 2900 Semiconductor Drive

City: Santa Clara

State: California

Country: U.S.A. Zip: 95051

Additional name(s) & address(es) attached? Yes No

3. Nature of conveyance:

- Assignment Merger
- Security Agreement Change of Name
- Government Interest Assignment
- Executive Order 9424, Confirmatory License
- Other _____

4. Application or patent number(s):

This document is being filed together with a new application.

A. Patent Application No. (s)

B. Patent No. (s)

11437549

Additional numbers attached? Yes No

5. Name and address to whom correspondence concerning document should be mailed:

Name: Docket Clerk

Internal Address: P.O. Drawer 800889

Street Address: _____

City: Dallas

State: Texas Zip: 75380

Phone Number: (972) 628-3600

Fax Number: (972) 628-3616

Email Address: _____

6. Total number of applications and patents involved:

1

7. Total fee (37 CFR 1.21(h) & 3.41) \$ 40.00

- Authorized to be charged by credit card
- Authorized to be charged to deposit account
- Enclosed
- None required (government interest not affecting title)

8. Payment Information

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Authorized User Name William A. Munck

9. Signature:

William A. Munck

Signature

May 19, 2006

Date

William A. Munck \ Reg. No. 39,308

Name of Person Signing

Total number of pages including cover sheet, attachments, and documents:

2

Documents to be recorded (including cover sheet) should be faxed to (703) 306-5995, or mailed to:
Mail Stop Assignment Recordation Services, Director of the USPTO, P.O.Box 1450, Alexandria, V.A. 22313-1450

113261 U.S. PTO
11437549



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05/24/2006 EHAILE1 00000057 11437549

04 FC:8021

40.00 DP

PATENT
REEL: 017922 FRAME: 0499

ASSIGNMENT OF APPLICATION

Docket Number (Optional)

P06587

Whereas, I/We, Vivek Venkatraman of Atlanta, Georgia, hereafter referred to as applicant, have invented certain new and useful improvements in SYSTEM AND METHOD FOR PROVIDING REAL TIME SIGNAL TO NOISE COMPUTATION FOR A 100Mb ETHERNET PHYSICAL LAYER DEVICE

for which an application for a United States Patent was filed on _____
Application Number _____.

for which an application for a United States Patent was executed on May 12, 2006, and

Whereas, National Semiconductor Corporation of Santa Clara, California 95051 here referred to "assignee" whose mailing address is 2900 Semiconductor Drive is desirous of acquiring the entire right, title and interest in the same;


Now, therefore, in consideration of the sum of Two dollars (\$ 2.00), the receipt whereof is acknowledge, and other good and valuable consideration, I/We, the applicant(s), by these presents do sell, assign and transfer unto said assignee the full and exclusive right to the said invention in the United States and the entire rights, title and interest in and to any and all Patents which may be granted therefore in the United States. I/We hereby authorize and request the Director of the U.S. Patent and Trademark Office to issue said United States Patent to said assignee, of the entire right, title, and interest in and to the same, for his sole use and behoof; and for the use and behoof of his legal representatives, to the full end of the term for which said Patent may be granted, as fully and entirely as the same would have been held by me had this assignment and sale not been made.

Executed this 7th day of April, 20 06
at 5125 Oakbrook Pkwy Norcross GA 30093.

Vivek Venkatraman
Signature

State of Georgia)
County of Gwinnett) SS: Vivek Venkatraman
Printed Name/Registration No., if applicable

Before me personally appeared said Vivek Venkatraman
and acknowledged the foregoing instrument to be his free act and deed this 17th
day of April, 20 06.

Seal  Notary Public, Gwinnett County, GA
My Commission Expires July 14, 2008

Note: Signatures of all the inventors or assignees of record of the entire interest or their representative(s) are required. Submit multiple forms if more than one signature is required. See below*.

Total of _____ forms are submitted.

This form offers a sample or suggested format for an assignment document. This sample form is not an OMB officially approved form.